Appl. No.: 10/707,403
Amdt. Dated: 2/20/2006
Reply to Office action of: 12/08/2005

AMENDMENTS TO THE SPECIFICATION:

Kindly replace paragraph [0021] with the following amended paragraph:

[0021] $$W_{opt}(e^{j\omega}) = \frac{S_{dx}(e^{j\omega})}{S_{xx}(e^{j\omega})}$$

Kindly replace paragraph [0024] with the following amended paragraph:

[0024] $$W_{opt}(e^{j\omega}) = \frac{S_{dd}(e^{j\omega})}{S_{xx}(e^{j\omega})}$$

Kindly replace paragraph [0049] with the following amended paragraph:

[0049] $$H_e(e^{j\omega}) = \frac{S_r(e^{j\omega})}{S_e(e^{j\omega})}$$

Kindly replace paragraph [0052] with the following amended paragraph:

[0052] $$H_n(e^{j\omega}) = \frac{S_n(e^{j\omega})}{S_y(e^{j\omega})}$$

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Kindly replace paragraph [0054] with the following amended paragraph:

[0054] $$W(e^{j\omega}) = (1 - H_e(e^{j\omega}))(1 - H_n(e^{jw}))$$

Kindly replace paragraph [0067] with the following amended paragraph:

$$H_e(e^{j\omega}) = \frac{S_r(e^{j\omega})}{S_e(e^{j\omega})}$$

[0067] $$H_n(e^{j\omega}) = \frac{S_n(e^{j\omega})}{S_y(e^{j\omega})}$$

Kindly replace paragraph [0070] with the following amended paragraph:

$$H_e(e^{j\omega}) = \frac{S_r(e^{j\omega})}{\max(S_e(e^{j\omega}), \varepsilon)}$$

$$H_n(e^{j\omega}) = \frac{S_n(e^{j\omega})}{\max(S_y(e^{j\omega}), \varepsilon)}$$

[0070]

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Kindly replace paragraph [0073] with the following amended paragraph:

[0073]

$$H_e(e^{j\omega}) = \min\left(\frac{S_r(e^{j\omega})}{\max(S_e(e^{j\omega}),\varepsilon)}, hmax\right)$$

$$H_n(e^{j\omega}) = \min\left(\frac{S_n(e^{j\omega})}{\max(S_y(e^{j\omega}),\varepsilon)}, hmax\right)$$

Kindly replace paragraph [0075] with the following amended paragraph:

[0075]

$$H_e(e^{j\omega}) = \alpha H_e(e^{j\omega}) + (1-\alpha)H_e(e^{j\omega})prev$$

$$H_n(e^{j\omega}) = \alpha H_n(e^{j\omega}) + (1-\alpha)H_n(e^{j\omega})prev$$

Kindly replace paragraph [0079] with the following amended paragraph:

[0079]

$$S_y(k+1,e^{j\omega}) = 0.9\cdot S_y(k,e^{j\omega}) + 0.1\cdot\left\{1-\left[(1-\delta)+\delta\cdot H_e(k,e^{j\omega})\right]^2\right\}\cdot S_e(k,e^{j\omega})$$

$$S_r(k+1,e^{j\omega}) = (1-\beta_e)\cdot S_r(k,e^{j\omega}) + \beta_e\cdot\left[(1-\delta)+\delta\cdot H_e(k,e^{j\omega})\right]^2\cdot S_e(k,e^{j\omega})$$

$$S_n(k+1,e^{j\omega}) = (1-\beta_r)\cdot S_n(k,e^{j\omega}) + \beta_r\cdot\left[(1-\delta)+\delta\cdot H_r(k,e^{j\omega})\right]^2\cdot S_y(k,e^{j\omega})$$

Kindly replace paragraph [0082] with the following amended paragraph:

[0082]

$$S_r(e^{j\omega}) = S_e(e^{j\omega})\left|H_e(e^{j\omega})\right|^2$$

$$S_n(e^{j\omega}) = S_y(e^{j\omega})\left|H_n(e^{j\omega})\right|^2$$